



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q64917

Gilles CHRIQUI

Appln. No.: 09/881,702

Group Art Unit: 1714

Confirmation No.: 8603

Examiner: Callie E. SHOSHO

Filed: June 18, 2001

For: INSULATING COMPOSITION THAT IS RESISTANT TO OIL AND TO FIRE  
PROPAGATION, AND A METHOD OF PREPARING IT

**SUBMISSION OF EXECUTED DECLARATION UNDER 37 C.F.R. §1.132**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is an executed Declaration Under 37 C.F.R. §1.132 signed by Gilles  
CHRIQUI.

Respectfully submitted,

Ellen R. Smith  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: August 18, 2003



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**DECLARATION UNDER 37 C.F.R. § 1.132**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, Gilles Chriqui, hereby declare and state:

THAT I am a citizen of France;

THAT I have received a Chemistry Engineer degree from Ecole Nationale Supérieure de  
Chimie de Montpellier;

THAT I have been employed by NEXANS since august, 1991 and hold the position of  
Research and Development Engineer ;

THAT I am a well-versed in the manufacture of insulating compositions used for  
covering electrical conductors in the cable-making industry;

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THAT I have reviewed the Office Actions of October 8, 2002 and March 21, 2003, regarding the above application, and have noted the Examiner's allegation with respect to the obviousness of the claims with respect to the GB 2016016 and EP 0721001 references;

THAT I have reviewed the GB '016 and EP '001 references;

THAT I hereby declare that it is not obvious to combine the GB '016 and EP '001 references to achieve the claimed features of the present invention as recited in Claim 9, for the reasons given below.

It is known to one of ordinary skill in the art that, in methods of preparing extrudable and curable insulating composition, used in the cable-making industry, the components of the compositions are mixed together under specific temperature and mixing conditions.

In the present invention, I have discovered a novel method for combining elements to achieve an extrudable and curable insulating composition that is resistant to oil and to propagating a fire, which is accomplished without encountering the drawbacks of the prior art. In particular, my novel method prevents frequent clogging in the extruder, avoids partial curing during storage, and is relatively inexpensive compared to the prior art. In my invention, the chlorinated polyolefin, the filler and the treatment agent are mixed together and transformed. Then, the amino-silane is added to the transformed basic mixture during extrusion of the basic mixture. This method is important because it allows the amino-silane to react directly with the chlorinated polyolefin without being deactivated by the filler. Thus, it is grafted to the chlorinated polyolefin without giving off hydrochloric acid.

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The combination of GB '016 and EP '001 does not disclose the manner in which the ingredients are prepared. As explained above, the claimed order allows the amino-silane to react with the chlorinated polyolefin to obtain specific benefits. Thus, different results are obtained if the amino-silane is not added to the basic mixture in the recited order.

The prior art references do not teach or suggest the drawbacks noted above, and thus, would not suggest overcoming such problems by employing the recited method of my invention.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 04/08/2003

  
Gilles CHRQUI